AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A tuner comprising:

an RF (radio frequency) processing unit;

an IF (intermediate frequency) demodulating unit for demodulating an intermediate frequency signal outputted from the RF processing unit; and

a trap filter disposed at a video baseband signal line of the IF demodulating unit to eliminate noise of a video baseband signal,

wherein the IF demodulating unit comprises a video detector outputting a video signal and a sound trap filter eliminating a sound signal from the video signal of the video detector.

2. (Original) The tuner according to claim 1, wherein the trap filter eliminates a frequency signal of 4.85-5.25MHz.

3. (Original) The tuner according to claim 1, wherein the baseband signal is a baseband signal of US channel 6 in an NTSC broadcasting system.

4. (Currently Amended) The tuner according to claim 1, wherein the ~~trap filter eliminates a frequency signal of a channel bandwidth in each broadcasting system~~ IF demodulating unit further comprises:

an IF amplifier for amplifying the IF signal; and

a first filter outputting a signal outputted from the IF amplifier to the video detector.

5. (Currently Amended) The tuner according to claim 1, wherein the ~~baseband signal line is a video baseband signal processing line~~ IF demodulating unit further comprises:

a video equalizer adjusting the outputted video signal from the sound trap filter; and

a video buffer amplifier disposed between the video equalizer and the trap filer.

6. (Currently Amended) The tuner according to claim 1, wherein the trap filter is disposed at an output port of the intermediate frequency demodulating unit or an output port of ~~an SIF (sound intermediate frequency)~~ the sound trap filter.

7. (Currently Amended) A demodulating unit of a tuner, the demodulating unit comprising:

a <u>first</u> filter;

a sound signal processing line diverging from the <u>first</u> filter to process a sound signal;

a video signal processing line diverging from the <u>first</u> filter to process a video signal;

<u>a sound trap filter eliminating a sound signal from an output signal of the first filter and</u> <u>disposed at the video signal processing line;</u> and

a trap filter disposed at ~~the video signal processing line to~~ <u>an output side of a sound trap</u> <u>filter to eliminate</u> a beat component.

8. (Currently Amended) The demodulating unit according to claim 7, wherein the trap filter eliminates a FM <u>(frequency modulation)</u> radio signal.

9. (Original)   The demodulating unit according to claim 7, wherein the trap filter eliminates a frequency signal of 4.85-5.25MHz.

10. (Original)   The demodulating unit according to claim 7, wherein the trap filter eliminates a frequency signal of an upper adjacent channel of a selected channel.

11. (Currently Amended) The demodulating unit according to claim 7, ~~wherein the trap~~ ~~filter eliminates a frequency signal of a channel bandwidth in each broadcasting system~~ <u>further</u> <u>comprising:</u>

a video equalizer disposed at an output port of the trap filter; and

a video buffer amplifier disposed at an output port of the video equalizer.

12. (Currently Amended) The demodulating unit according to claim 7, ~~wherein the~~ ~~video signal processing line includes a video detector, a sound IF trap filter, a video equalizer,~~ ~~and a video buffer amplifier~~ <u>further comprising:</u>

an IF amplifier disposed at an input port of the first filter; and

a video detector disposed between the first filter and the sound trap filter.

13. (Original) The demodulating unit according to claim 7, wherein the sound processing line includes a sound detector and a sound signal passing filter.

14. (Currently Amended) The demodulating unit according to claim 7, wherein ~~the trap~~

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~~filter is disposed at a video signal output port of an IF demodulating unit or an output port of an SIF trap filter~~ the first filter is an SAW (surface acoustic wave) filter.

15. (Currently Amended) A demodulating unit of a tuner, the demodulating unit comprising:

a sound signal processing line;

a video signal processing line; and

a trap filter disposed at the video signal process line to eliminate a beat component generated due to a FM (frequency modulation) radio frequency; and

a sound trap filter disposed at an input port of the trap filter.

16. (Original) The demodulating unit according to claim 15, wherein the FM radio frequency is in a range of 88.1-88.5MHz.

17. (Original) The demodulating unit according to claim 15, wherein the trap filter eliminates a frequency signal of 4.85-5.25MHz.

18. (New) The tuner according to claim 1, wherein the sound trap filter comprises a sound IF (intermediate frequency) trap filter.

19. (New) The demodulating unit according to claim 7, wherein the sound trap filter is a sound IF (intermediate frequency) trap filter.

20. (New) The demodulating unit according to claim 15, wherein the sound trap filter is a sound IF (intermediate frequency) trap filter.

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